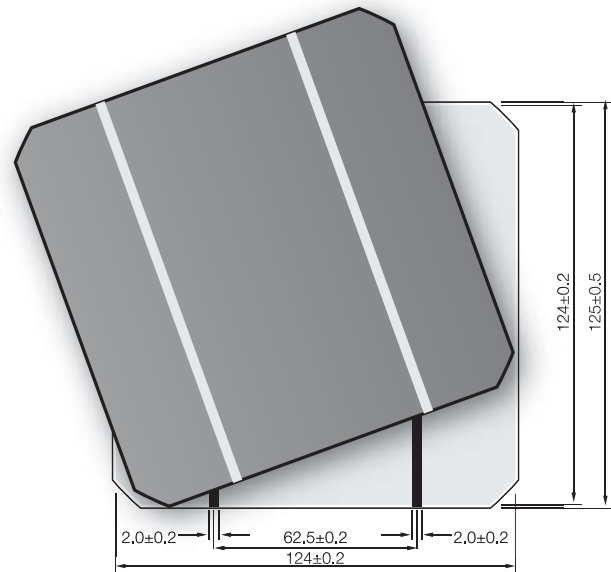
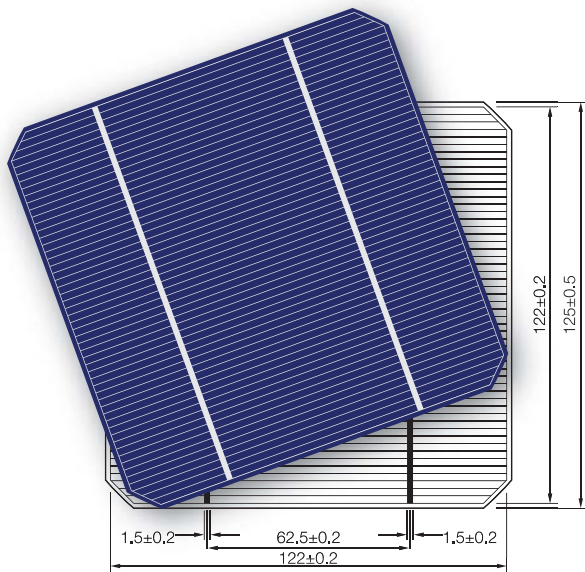


JAC M5SF 2BB MONOCRYSTALLINE SILICON SOLAR CELLS



The new cost effective, high efficiency solar cells enable substantially better spectral response at blue wavelength. Manufacturing modules with more than 200W (6×12) power output becomes easier than ever.



* For reference only

MECHANICAL DATA AND DESIGN

Format	125mm×125mm±0.5mm
Thickness	200μm±30μm
Front(-)	1.5mm bus bars(silver), blue anti-reflecting coating(silicon nitride)
Back(+)	2mm wide soldering pads(silver), back surface field(aluminum)

TEMPERATURE COEFFICIENTS

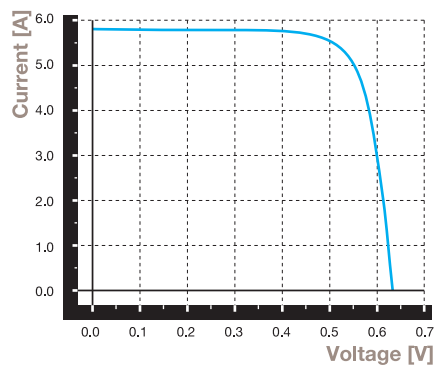
TkVoltage	-0.241%/K
TkCurrent	+0.033%/K
TkPower	-0.37%/K

JAC M5SF 2BB MONOCRYSTALLINE SILICON SOLAR CELLS



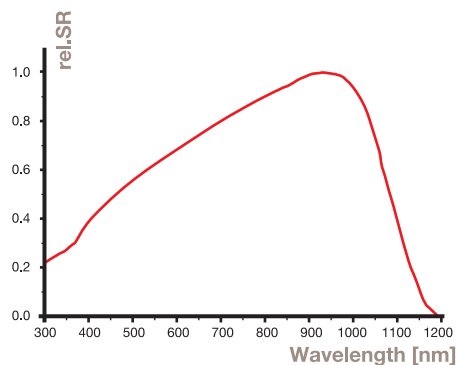
No.	Efficiency(%)	Pmpp(W)	Umpp(V)	Impp(A)	Uoc(V)	Isc(A)	FF(%)
10	18.80-19.00	2.91	0.542	5.369	0.633	5.705	80.58
09	18.60-18.80	2.88	0.538	5.353	0.632	5.691	80.07
08	18.40-18.60	2.85	0.534	5.337	0.631	5.689	79.39
07	18.20-18.40	2.82	0.532	5.301	0.630	5.682	78.78
06	18.00-18.20	2.79	0.530	5.264	0.629	5.664	78.31
05	17.80-18.00	2.76	0.529	5.217	0.628	5.647	77.83
04	17.60-17.80	2.73	0.527	5.180	0.627	5.632	77.31
03	17.40-17.60	2.70	0.524	5.153	0.626	5.597	77.06
02	17.20-17.40	2.66	0.518	5.135	0.625	5.581	76.26
01	17.00-17.20	2.63	0.514	5.117	0.624	5.574	75.61

IV CURVE



*calibrated against fraunhofer ISE freiburg

SPECTRAL RESPONSE



INTENSITY DEPENDENCE

Intensity [W/m ²]	Isc*	Voc*
1000	1.0	1.000
900	0.9	0.994
500	0.5	0.969
300	0.3	0.946
200	0.2	0.929

*Ratio of Voc(Isc) at reduced intensity to Voc(Isc) at 1000 W/m²

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